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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/965,738A

DATE: 05/01/2002

TIME: 12:50:01

Input Set : A:\EP.txt

Output Set: N:\CRF3\05012002\1965738A.raw

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3 <110> APPLICANT: O'Brien, Timothy
      5 < 120 > TITLE OF INVENTION: Repeat Sequences of the CA125 Gene and Their Use for
Diagnostic and
              Therapeutic Interventions
      8 <130> FILE REFERENCE: 40715-258841
     10 <140> CURRENT APPLICATION NUMBER: US 09/965,738A
     11 <141> CURRENT FILING DATE: 2001-09-27
    13 <150> PRIOR APPLICATION NUMBER: US 60/284,175
     14 <151> PRIOR FILING DATE: 2001-04-17
    16 < 160 > NUMBER OF SEQ ID NOS: 308
    18 <170> SOFTWARE: PatentIn version 3.1
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    22 <212> TYPE: PRT
    23 <213> ORGANISM: Homo sapiens
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    28 1
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    33 <212> TYPE: PRT
    34 <213> ORGANISM: Homo sapiens
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    44 <212> TYPE: PRT
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   66 <212> TYPE: DNA
   67 <213> ORGANISM: Homo sapiens
   69 <220> FEATURE:
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RECEIVED DATE: 05/01/2002 MAY 1 5 2002 TIME: 12:5 TECH CENTER 1600/2900

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80	ggt c	tg	ctc	agg	cct	gtg	ttc	aag	aac	acc	agt	gtt	ggc	cct	ctg	tac	96
81	Gly L	eu	Leu	Arg 20	Pro	vaı	Pne	Lys	Asn 25	Thr	Ser	Val	GLY	Pro 30	Leu	Tyr	
	tct g	ıgc	tgc		ctg	acc	ttg	ctc		ccc	aag	aag	qat		qca	qcc	144
	Ser G																
86			35			_		40					45				
	acc a																192
90		0	vai	кэр	АТа	116	55	1111	тут	AIG	PIO	60	PIO	гуѕ	ser	PIO	
92	gga c	tg	gac	aga	gag	cag	cta	tac	tgg	gag	ctg	agc	cag	ggt	gat	gca	240
93	Gly L	eu	Asp	Arg	Glu		Leu	Tyr	Trp	Glu		Ser	Gln	Gly	Asp	Ala	
94	65 <210>	. cr	O TE	NO.	6	70					75					80	
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	Gly	Leu	Leu	Ara	Pro	Val	Phe	Lvs	Asr		Ser	· Val	Glv	Pro	15 Len	Tvr	
109				20				1-	25			, 42		30	, LCu	- 11-	
	Ser	Gly		Arg	Leu	Thr	Leu		Arg	Pro	Lys	Lys	Asp	Gly	Ala	Ala	
113		T	35	7	7 J -	т1.	G	40			. D	•	45	-	~	_	
117	Thr	ьуs 50	Val	ASP	Ald	i ire	55	Thi	туг	Arg	Pro	Asp	Pro	ь гля	ser	Pro	
	Gly :		Asp	Arg	Glu	Gln		Tyr	Trp	Glu	Leu		Gln	Gly	Asp	Ala	
121	65					70		-	-		75			1		80	
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	<211: <212:																
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	<220																
130	<223	> 0'	THER	INF	ORMA	TION	: Sy	nthe	tic	Prim	er						
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 156 <223> OTHER INFORMATION: Synthetic Primer
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191 Lys Asp Gly Thr Ala Thr Gly Val Asp Ala Ile Cys Thr His His Pro
            35
                                 40
195 Asp Pro Lys Ser Pro Arg Leu Asp Arg Glu Gln Leu Tyr Trp Glu Leu
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199 Ser Gln Leu Thr His Asn Ile Thr Glu Leu Gly Pro Tyr Ala Leu Asp
203 Asn Asp Ser Leu Phe Val Asn Gly Phe Thr His Arg Ser Ser Val Ser
                                         90
207 Thr Thr Ser Thr Pro Gly Thr Pro Thr Val Tyr Leu Gly Ala Ser Lys
208
                                    105
211 Thr Pro Ala Ser Ile Phe Gly Pro Ser Ala Ala Ser Pro Leu Leu Ile
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215 Pro Phe Thr
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227 1
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	322	1		35					40					45			
	324	4 Ası	Pro	Lys	s Se	r Pro	o Gl	v Lei	ı Ası	n Ard	r Gli	n Gli	n Tai	1 Trans	» П»	. (1).	ı Leu
	325	5	50	-				55			9 011	u GI	60	т ту.	r T.T.) GI	ı Leu
	328	3 Se	r Gln	Leu	ı Th:	r His	s Gly	v Ile	e Tive	s Gli	1 T.e.	, G1s	7 Dre	. Пт.	r mb.	n T a.	ı Asp
	329	65					70] .	5 010	2 1100	75	y FIC	J I Y J	r 1111	r rec	
	332	2 Arc	, Asn	Ser	Lei	ı Tvı		l Asr	n Gla	7 Dha	ם Thi	r Uid	7 N 200			1	80 Ala
	333	3				85			. 01)	, 1110	90	r nrs	a ALC	sei	r sei		. Ата
	336	Pro	Thr	Ser	Thi		o Gla	7 Thi	~ Sar	c mhi	. 70 - 77∋1	l Aar	. T.a		- m1	95	Gly
	337	7			100)	, 01	1111	. DC1	105	. val	L ASI	леи	r GTŽ			: GIY
			Pro	Ser			ı Dro	. Sar	n Dro	TU.	n mb.	^ 7.T_		_	110) _	Ile
	341			115		. LCC		, 261	120) 1117	. 1111	Alc	ı val			ı Leu	Ile
			Phe						120	,				125)		
	345		130														
					D NC). 15	:										
348 <210> SEQ ID NO: 15 349 <211> LENGTH: 130																	
			2> T														
						Hom											
	353	<40	0> S	LUILL	MCE.	15	o sa	pien	S								
	355	Clu	Dra.	1751 1751	NCE;	10	01 -	-	_								
	356	1	мту	val	Leu	. GTU	GTA	Leu	Leu	GLy	Pro	Leu	Phe	Lys	Asn	Ser	Ser
			C1++	Dro	τ	5	a	a 1	_		10					15	
	360	Val	GIÀ	PIO	Leu	Tyr	Ser	GLy	Cys	Arg	Leu	Ile	Ser	Leu	Arg	Ser	Glu
	300				20					25					3 0		
	364	гуѕ	ASP	GTA	Ата	Ala	Thr	Gly	Val	Asp	Ala	Ile	Cys	Thr	His	His	Leu
	304			33					40					45			
	367	ASII	Pro	GIn	ser	Pro	GLy	Leu	Asp	Arg	Glu	Gln	Leu	Tyr	Trp	Gln	Leu
	300		50					55					60				
	3/1	ser	GIN	Met	Thr	Asn	Gly	Ile	Lys	Glu	Leu	Gly	Pro	Tyr	Thr	Leu	Asp
	3/2	0.5					70					75					9.0
	3/3	Arg	Asn	Ser	Leu	Tyr	Val	Asn	Gly	Phe	Thr	His	Arg	Ser	Ser	Gly	Leu
	370					85					90					95	
	3/9	Thr	Thr	Ser	Thr	Pro	Trp	Thr	Ser	Thr	Val	Asp	Leu	Gly	Thr	Ser	Gly
	300				TOO					105					110		
	383	Thr	Pro	Ser	Pro	Val	Pro	Ser	Pro	Thr	Thr	Ala	Gly	Pro	Phe	Leu	Ile
	384			115					120					125			
		Pro															
	388		130														
	391	<210)> SE	Q ID	NO:	: 16											
			> LE			30											
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	398	Glu	Arg	Val	Leu	Gln	Gly	Leu	Leu	Arq	Pro	Leu	Phe	Lvs	Ser	Thr	Sar
	333	1				2					10					15	
	402	Ala	Gly :	Pro	Leu	Tyr	Ser	Gly	Cys	Ara	Leu	Thr	Leu	Leu	Δrσ	Dro	Glu
	403				20					2.5					3 ()		
	406	Lys	His	Gly .	Ala	Ala	Thr	Gly	Val	Asp	Ala	Tle	Cys	Thr	υυ Τ.Δ11	λνα	Lou
	407			33					40					15			
	410	Asp	Pro :	Thr (Gly	Pro	Glv	Leu		Ara	G111	Ara	Leu	∓IJ Ͳτ៸∽	ጥሎ	C1	T ov
	411		50		-	_	1	55	F	9	Jiu	-11-9	60	тут	ттЬ	GIU	Leu
								-					00				

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Input Set : A:\EP.txt

Output Set: N:\CRF3\05012002\1965738A.raw

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Input Set : A:\EP.txt

Output Set: N:\CRF3\05012002\1965738A.raw

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Input Set : A:\EP.txt

Output Set: N:\CRF3\05012002\I965738A.raw

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VERIFICATION SUMMARY

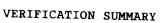
PATENT APPLICATION: US/09/965,738A

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Input Set : A:\EP.txt

Output Set: N:\CRF3\05012002\I965738A.raw

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L\!:\!2938 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:176
 L:2942 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:192
 L:2946 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:208
 L:2950 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:224
 L:4931 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:656
 L:4935 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:672
 L:4939 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:688
 L:7001 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88 after pos.:0
 L:7003 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88 after pos.:60
 L:7005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88 after pos.:120
 L:7153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:240
 L:7155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:300
 L:7157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:360
 L:7159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:420
 L:7266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99 after pos.:0
 L:7268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99 after pos.:60
 L:7364~M:341~W:~(46) "n" or "Xaa" used, for SEQ ID#:103 after pos.:0
 L:7366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:103 after pos.:60
 L:7508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:109 after pos.:0
 L:7510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:109 after pos.:60
 L:7560 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:0
L:7562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:60
L:7564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:120
L:7566 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:180
L:7568 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:240
L:7570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:300
L:7603 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112 after pos.:420
L:7626 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:240
L:7628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:300
L:7630 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:360
L:7632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:420
L:7647 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:0
L:7649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:60
L:7707 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:240
L:7709 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:300
L:7711 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:360
L:7713 M:341 W: (46) "n" or "Xaa" used, for \widetilde{SEQ} ID#:116 after pos.:420
L:7728 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:0
L:7730 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:60
L:7811 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:240
L:7813 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:300
L:7815 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:360
L:7817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:420
L:7832 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:0
L:7834 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:60
L:7836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:120
L:7838 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:180
L:7840 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:240
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L:7842 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:300 L:7869 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:240